



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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SOUTH DAKOTA, West

Perkins County									
5 N Bison	01	0045MST			0	0			Hail (1.75)
Haakon County									
2 NW Hilland	01	0240MST			0	0			Hail (0.75)
Meade County									
4 SW Plainview to 4 W Plainview	01	0330MST			0	0			Hail (2.00)
Haakon County									
Philip	01	0410MST			0	0			Thunderstorm Wind (G60)

Strong winds and 1/2 inch diameter hail struck the Philip area. Numerous tree limbs were downed.

SDZ001>002-012>014-024>032-041>044-047-049 **Harding - Perkins - Butte - Meade Co. Plains - Ziebach - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Southern Foot Hills - Central Black Hills - Southern Black Hills - Custer Plains - Pennington Plains - Haakon - Fall River Co. - Shannon - Jackson - Bennett - Todd - Tripp**

01	0900MST 2100MST	0	2						High Wind (G70)
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Winds were sustained over 40 mph much of the day across western and south central South Dakota, and higher gusts were frequent. Damage included downed trees, power outages, and structural damage. Most damage occurred in the central Black Hills where numerous large trees were blown down, localized major structural damage occurred, and numerous small wildfires were sparked.

Ziebach County									
Dupree	01	1330MST 1345MST			0	0			Thunderstorm Wind (G60)

Thunderstorms combined with already gusty winds produced wind damage in the Dupree area. Winds ripped shingles from roofs and damaged trees and gardens. Several power outages were reported.

Butte County									
Belle Fourche Arpt	06	2150MST			0	0			Thunderstorm Wind (G63)
Meade County									
Sturgis	06	2210MST			0	0	3K		Thunderstorm Wind
Meade County									
Ellsworth Afb	06	2259MST			0	0			Thunderstorm Wind (G79)
Pennington County									
Rapid City	10	1540MST 1555MST			0	0	12K		Thunderstorm Wind (G60)

Numerous tree limbs were blown down including some that were 12 inches in diameter. A building supply store received roof damage. Also, scattered power outages occurred.

Bennett County									
Harrington	10	2215MST			0	0			Thunderstorm Wind (G52)
Lawrence County									
8 W Spearfish	12	1433MST			0	0			Hail (1.00)
Meade County									
1 SW Sturgis	12	1545MST			0	0			Hail (1.75)
Fall River County									
7 SE Hot Spgs	12	1545MST			0	0			Thunderstorm Wind (G52)
Shannon County									
Kyle	12	1725MST			0	0			Thunderstorm Wind (G61)

A 60 mph wind gust was reported from Angostura Reservoir Dam.



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Custer County Custer	18	1825MST			0	0			Thunderstorm Wind (G60)
Fall River County 6 E Edgemont	18	1840MST			0	0			Hail (0.75)
Pennington County 7 W Rapid City	18	1847MST			0	0			Thunderstorm Wind (G61)
Fall River County Ardmore	18	1855MST			0	0	2K		Hail (0.75) Hail broke several windows and piled one to two feet deep.
Fall River County Hot Spgs	18	1855MST			0	0			Thunderstorm Wind (G52) Power lines were downed.
Pennington County 8 SW Rapid City	18	1924MST			0	0			Thunderstorm Wind (G52)
Pennington County Wasta	18	1958MST			0	0			Thunderstorm Wind (G52)
Pennington County 3 NE Creighton	18	2030MST			0	0			Thunderstorm Wind (G55)
Meade County 15 S Plainview	18	2033MST			0	0			Thunderstorm Wind (G52)
Harding County Ladner	18	1830MST			0	0			Thunderstorm Wind (G52) Large hay bales rolled across fields jumping ditches and fences. Several people who were baling hay quit when large bales began to pass the tractors. Tree damage was also reported.
Meade County 12 SW Maurine	19	1408MST			0	0			Hail (2.00)
Meade County 12 SW Maurine	19	1408MST			0	0			Thunderstorm Wind (G52) 60 mph winds combined with large hail to damage trees along Sulphur Creek.
Meade County 10 SW Maurine	19	1410MST			0	0			Hail (1.00)
Meade County 13 S Faith	19	1535MST			0	0			Hail (1.00) Hail covered the ground.
Meade County 13 S Faith	19	1541MST			0	0			Hail (1.75)
Custer County 15 SW Custer	19	1630MST			0	0			Hail (2.00)
Bennett County 15 NE Martin	19	1710MST			0	0			Hail (0.75) Hail was two inches deep on ground.
Bennett County Martin to Vetal	19	1745MST 2230MST			0	0			Flash Flood Slow moving thunderstorms produced three to six inches of rainfall within a two hour period in the Martin area. Water up to 1/2 foot deep covered portions of Highway 18 and Highway 73, especially north and east of Martin. Small streams rose out of their banks, and widespread flooding of wheat fields was reported.



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SOUTH DAKOTA, West

Haakon County 10 W Philip	22	0435MST			0	0			Hail (0.75)
Todd County Lakeview	22	1615MST 1630MST			0	0	20K	50K	Hail (2.00)
Hail pounded the Lakeview area wiping out corn and oat fields. Several homes had broken windows, and minor structural damage. Hail piled up three to four inches deep.									
Pennington County Hill City	23	1455MST			0	0			Hail (1.75)
Fall River County Edgemont	23	1915MST			0	0	5K		Lightning
Lightning struck a business, destroying a computer and damaging the phone and electrical system.									
Pennington County Wasta	23	2055MST			0	0			Thunderstorm Wind (G52)
Pennington County 25 SW Rapid City	24	1310MST			0	0			Hail (0.75)
3/4 inch hail was reported at Mt. Rushmore.									
Lawrence County 5 W Lead	24	1425MST 1430MST			0	0			Hail (1.75)
Golfball size hail was reported at Deer Mountain.									
Custer County 10 E Hermosa	24	1600MST			0	0			Hail (1.75)
Harding County Buffalo	24	1700MST			0	0			Thunderstorm Wind (G53)
Jackson County Interior	24	1720MST 1740MST			0	0			Hail (0.75)
Jackson County 20 NE Kadoka	24	1845MST			0	0			Hail (0.75)
3/4 inch hail was reported along Highway 63 in northeast Jackson County.									
Mellette County 10 NE White River	24	1945MST			0	0			Hail (1.75)
Lawrence County Lead	24	1400MST 2000MST			0	0			Flash Flood
Pennington County Deerfield to Rochford	24	1400MST 2000MST			0	0			Urban/Sml Stream Fld
Stationary thunderstorms produced over five inches of rain in the Lead and Deadwood area. Rock and mud slides partially blocked Highway 14A west of Lead. Flooding occurred near the intersection of Highway 85 and Highway 385. Several secondary roads were washed out around Lead. Whitewood Creek and Yellow Creek were over their banks. In northwest Pennington County, four to five inches of rain caused the south fork of Rapid Creek to rise over its banks five miles west of Rochford. Minor flooding also occurred along the north fork and along the tributaries of Rapid Creek.									
Perkins County 20 S White Butte	25	1600MST			0	0	20K		Thunderstorm Wind (G60)
A 150 foot pole barn was destroyed.									



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SOUTH DAKOTA, West

Harding County
1.5 E Redig **25** **2245MST** **0** **0** **Thunderstorm Wind (G65)**

Butte County
1 N Belle Fourche **26** **0000MST**
 0010MST **0** **0** **1K** **Hail (1.00)**
 Large hail damaged several cars.

WYOMING, Northeast

WYZ054>058 **Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston**
01 **0700MST** **0** **0** **High Wind (G50)**
 1900MST

Winds downed trees and caused power outages. One tree fell on a house in Gillette causing only minor damage. Most damage occurred along the west slopes of the Black Hills where several large trees were uprooted. Several homes in Sundance received roof damage.

Campbell County
Gillette **06** **1928MST**
 1940MST **0** **0** **Thunderstorm Wind (G53)**
 Numerous tree limbs and power lines were down.

Campbell County
15 SE Gillette **06** **1957MST** **0** **0** **Thunderstorm Wind (G52)**

Weston County
Upton **06** **2049MST** **0** **0** **Thunderstorm Wind (G52)**

Weston County
Newcastle **08** **2020MST** **0** **0** **Hail (0.75)**

Weston County
Newcastle **18** **1743MST** **0** **0** **Hail (0.75)**

Campbell County
20 N Gillette **18** **1900MST**
 1920MST **0** **0** **25K** **Thunderstorm Wind (G65)**

Winds ripped off part of the roof of a mobile home and damaged the interior. A garage under construction was heavily damaged, and windows were broken by the wind. Hail piled up to 1 1/2 feet deep.

Campbell County
Recluse to
Weston **18** **2030MST**
 2300MST **0** **0** **Urban/Sml Stream Fld**

Low land flooding was reported along Horse Creek and the Little Powder River.